

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Improvements of Road in Muneshwara Swamy Temple Road and Cross Roads at Amruthahalli.

SI No	Description of work	Unit	No	Length m	Breadth m	Depth m	ESTIMATED COST		Amount in Rs
							Quantity	Rate in Rs	
									1900000.00
1	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.149, I.No.19.1 of PW,P&IWD S.R 2011-12)								
	For removing of silt in Existing drain	Cum							
	Desilting of drains		1	220.00	0.90	0.85	168.30		
			1	100.00	0.90	0.85	76.50		
							244.80	62.86	
	Basic Rate Rs.	58.20							
	Add 8% A.W Rs.	4.66							
	Total Rate Rs.	62.86							
2	Removing BS Slab of drain and stacking. (P.No.28, I.No.5.32 of PW,P&IWD S.R 2011-12)								
		Sqm							
	For Existing drain sides		2	220.00	1.35	--	594.00		
							594.00	47.52	
	Basic Rate Rs.	44.00							
	Add 8% A.W Rs.	3.52							
	Total Rate Rs.	47.52							
3	Refixing stone slabs of drains and pointing in CM 1:3. (P.No.28, I.No. 5.33 of PW,P&IWD S.R 2011-12)								
	Qty Same as I.No.2 (for base slab and covering on other side)	Sqm	70%	--	--	--	415.80	59.40	
	Basic Rate Rs.	55.00							
	Add 8% A.W Rs.	4.40							
	Total Rate Rs.	59.40							
4	KSRRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification. (Page No.5 item No.2.3)								
	Culvert	Cum	1	10.00	2.00	1.20	24.00		
	drain		1	220.00	1.20	1.20	316.80		
							340.80	144.72	
	Basic Rate Rs.	134.00							
	Add 8% A.W Rs.	10.72							
	Total Rate Rs.	144.72							

15388.00
15387.00

28227
28226.88

24699.00

49321.00

5	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.3 of PW,P&IWD S.R 2011-12)							
	Cum							
Culverts	1	10.00	2.00	0.15	3.00			
Drain	1	220.00	1.20	0.15	39.60			
					42.60	3939.41	167819.00	
	Basic Rate Rs.	3647.60						
	Add 8% A.W Rs.	291.81						
	Total Rate Rs.	3939.41						
6	KSRB - 5.2.3: Providing and constructing granite size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25, I.No.5.6 of PW, P&IWD SR 2011-12)							
	Cum							
Culverts	2	10.00	0.60	1.00	12.00			
					12.00	2827.87	33934.00	
	Basic Rate Rs.	2618.40						
	Add 8% A.W Rs.	209.47						
	Total Rate Rs.	2827.87						
7	KSRB - 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with CM 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.119, I.No.15.1 of PW, P&IWD SR 2011-12)							
	Sqm							
Culverts	1 X 2	10.00		1.00	20.00			
					20.00	79.73	1595.00	
	Basic Rate Rs.	73.82						
	Add 8% A.W Rs.	5.91						
	Total Rate Rs.	79.73						
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick) (P.No.28, I.No.5.31.1 of PW,P&IWD SR 2011-12.) For BS Slab Drain Consider missing qty @ 10%							
	Sqm							
		30%	--	--	178.20	327.24	58314.00	
	Basic Rate Rs.	303.00						
	Add 8% A.W Rs.	24.24						
	Total Rate Rs.	327.24						
9	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.6 of PW, P&IWD SR 2011-12)							
	Coping	1 X 2	10.00	0.60	0.10	1.20		
	For ramp flogging	1	10.00	0.35	0.20	0.70		
					1.90	4462.34	8478.00	
	Basic Rate Rs.	4131.80						
	Add 8% A.W Rs.	330.54						
	Total Rate Rs.	4462.34						

10	KSRRB M300-53: Construction of embankment with approval material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) (P No. 156 / i 19.60 SR 2011-12)								
		Cum							
	Roads	1	150.00	1.00	0.20	30.00			
						30.00	146.88	4406.00	
	Basic Rate Rs.	136.00							
	Add 8% A.W Rs.	10.88							
	Total Rate Rs.	146.88							
11	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC Works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3 with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns Staircase and Roof with M-20 (1:1.5:3) (Cement 320kg/cum) (Page No.19 item No.4.49.1)								
		Cum							
	Culvert	1	10.00	1.80	0.23	4.14			
	Drain	2	316.00	0.90	0.10	56.88			
		1	316.00	0.60	0.07	13.27			
						74.29	5001.91	371593	371602.00
	Basic Rate Rs.	4631.40							
	Add 8% A.W Rs.	370.51							
	Total Rate Rs.	5001.91							
12	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2. (Page No.17 item No.4.30)								
	Culvert	Sqm	1	10.00	0.60	6.00			
	Drain	4	316.00		0.90	1137.60			
						1143.60	291.60	333474.00	
	Basic Rate Rs.	270.00							
	Add 8% A.W Rs.	21.60							
	Total Rate Rs.	291.60							
13	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46)								
	110% of Qty vide Item No. 11	Qtl	4.14	0.80		3.31			
			70.15	0.40		28.06			
	Basic Rate Rs.	6803.54				31.37	7347.82	230521.79	230521.79
	Add 8% A.W Rs.	544.28							
	Total Rate Rs.	7347.82							
14	Providing and laying 10cms thick precast R.C.C. slabs (DATA RATE)								
		Qtl	1	316.00	1.20	379.20			
						379.20	1500.00	568800.00	

371592
371602.00

230501
230521.79

15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 5.00 Km (Page No.141) Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 Average weight of earth 1.28 tonne / kg for 5X1.28X2.00=12.80 PAGE NO.147 Add loading and unloading Vide item no.17.1 P.no.141 Area Weightage @ 8% Total	Cum Qty vide Item No.01 + 04 768.30 81.00 62.20 75.00 6.00 81.00	62232.00
16	Miscellaneous & Rounding off		3538.00
Total Rs.			19000000.00
(Rupees:- Nineteen Lakhs Only)			

CERTIFICATE:

- 1 The work spot has been inspected me and the work is found to be necessary.
- 2 The estimate is prepared as per PW, P&IWD S.R Bangalore circle for the year 2011-2012.
- 3 The Provisions made in the estimate are quite necessary and adequate.
- 4 The area comes with in the BBMP limits.


Assistant Engineer
Ward No. 07


Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

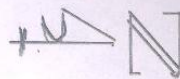

Executive Engineer
Byatarayanapura Division
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs. 19,00,000.00/-
Rupees Nineteen Lakhs only
Under P1771 P.O.W 11-12
Registered as JE (Y) No. 12-92
Subject to conditions contained in
enclosed memo JE (Y) No. 192 12-13
Dt. 14/12/12 Estimate / Sanctioned
JE/VA/AA/12-13 No. 192
dated 14/12/12 Rs. 19,00,000.00/-


Joint Commissioner
(Byatarayanapura)

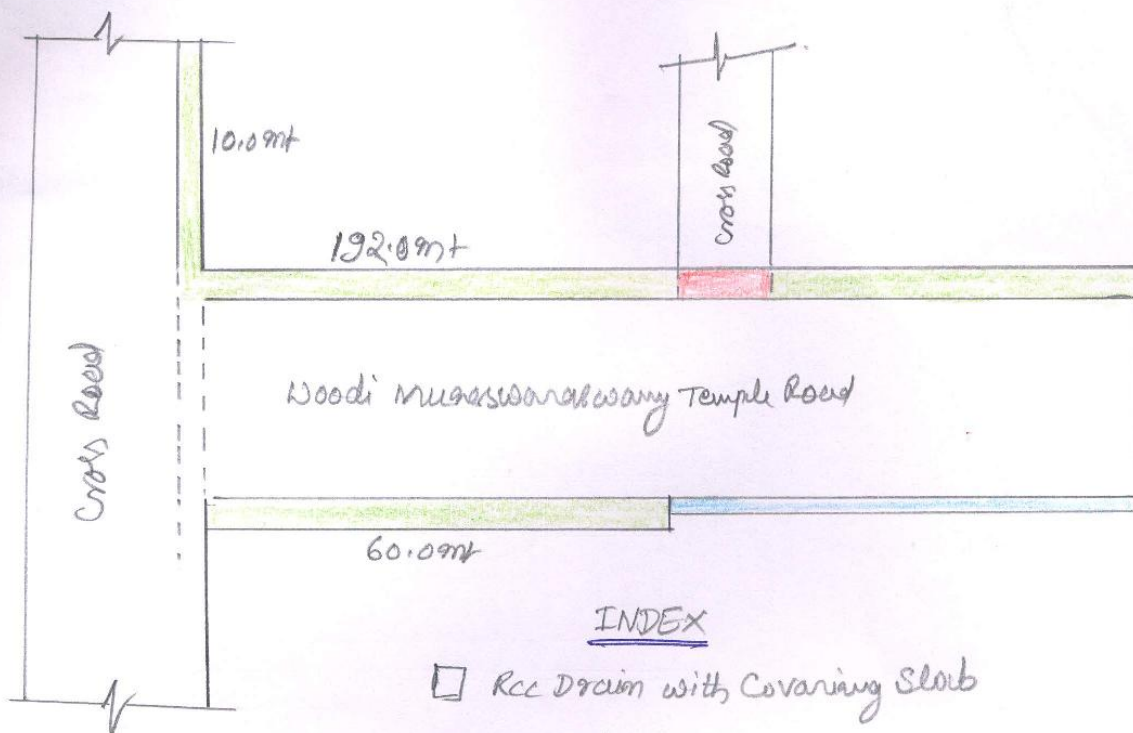
Technical Sanction for Rs. <u>19,00,000.00/-</u> <u>Nineteen Lakhs only</u>	
under <u>P-1771 P.O.W 11-12</u>	
registered as EE No. <u>87</u> / <u>15-5-12</u>	Subject to conditions contained enclosed memo.
No. <u>87</u> / <u>12-13</u>	Dr. <u>15-5-12</u>
 AE/JE	 EE (BTP. Div.)

Name of Works; Improvements of Road Munsarawasy
 Temple Road and Cross Road at Ananthaballi
 ward no. 7. By atoneycamping



NOT-TO-SCALE

Working Sketch



INDEX

- ☐ Rcc Drain with Covering Slab
- ☒ Culverts.
- ☒ B.S. slab drains

Atoneycamp
 J.E.

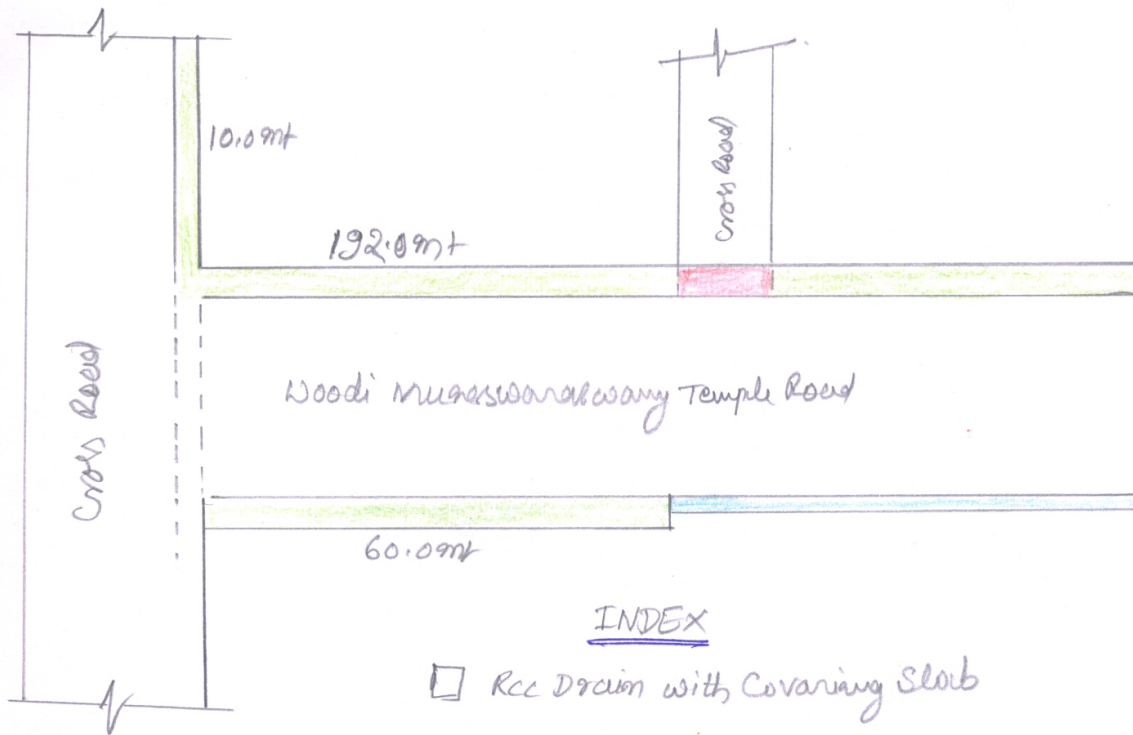
Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

of Works: Improvements of Road Munsarwaraswamy
Temple Road and Cross Road at Ananthaballi
ward no. 7. By atonyanaping



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Atny J.C.
J. W.

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Kodigehalli Sub Division,
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Bangalore.